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Title: Pneumatic tire crown reinforcement

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ABSTRACT

20 A tire comprising a crown extended by two respective sidewalls and two respective
beads, a carcass structure anchored in each side of the tire in said beads, said crown
comprising at least one reinforcing ply having parallel reinforcements oriented at an
angle α relative to the circumferential direction ranging between 10 and 45 degrees, a
first crown reinforcement having cords substantially oriented in the circumferential
25 direction and being high elastic modulus at high stress organic fiber cords, and a second
crown reinforcement having cords substantially oriented in the circumferential direction
and having a ratio τ of the tensile strength at high strain and high temperature to the
tensile strength at low strain and moderate temperatures inferior to 1.5.

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Fig. 1